

**REMARKS**

Claims 1-23 remain pending in the application, with claims 24-39 having been previously canceled.

**Claims 1-7, 11-19, 22 and 23 over Ramasubramani, Barzegar and Official Notice, and claims 8-10, 20 and 21 variously in further view of Callon, Boyle, Kung and Boyle2**

In the Office Action, claims 1-7, 11-19, 22 and 23 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over U.S. Patent No. 6,507,589 to Ramasubramani et al. ("Ramasubramani") in view of U.S. Patent No. 5,894,478 to Barzegar et al. ("Barzegar"), and in further view of Official Notice; claims 8 and 20 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani in view of U.S. Patent No. 5,251,205 to Callon et al. ("Callon") and U.S. Patent No. 6,119,167 to Boyle et al. ("Boyle"), and further in view of U.S. Patent No. 5,894,478 to Barzegar et al. ("Barzegar"); claim 9 was rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani in view of Callon, and further in view of U.S. Patent No. 6,826,173 to Kung et al. ("Kung"); and claims 10 and 21 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani, Callon, and further in view of U.S. Patent No. 6,138,158 to Boyle et al. ("Boyle2"). The Applicants respectfully traverse the rejections

Claims 1-23 recite, *inter alia*, **registering at least one registered message router in a message router table**, with at least one **protocol gateway adding an entry** for at least one registered message router in the message router table and **managing a network connection with the at least one registered message router**.

The Examiner alleges that Ramasubramani discloses a protocol gateway that **manages** network connections at column 9, lines 26-30. (see Advisory Action, page 2) The Applicants respectfully disagree.

Ramasubramani at col. 9, lines 26-30 discloses:

FIG. 6 is a block diagram of a communication system 600 according to an embodiment of the invention. The communication system

600 includes a network gateway 602 that facilitates access and retrieval of information from the Internet 216 to the wireless communication devices 202, 204 and 206 as did the multi-network gateway 214 illustrated in FIG. 2.

Ramasubramani's network gateway "facilitates access and retrieval of information from the Internet 216 to the wireless communication devices". Ramasubramani fails to disclose, teach or suggest a **protocol gateway that manages** a network connection, much less with a message router, as claimed.

Moreover, Ramasubramani's "message router" updates a "route table". (see col. 2, lines 49-53) Ramasubramani fails to disclose, teach or suggest a **protocol gateway adding an entry** for at least one registered message router in the message router table, as claimed.

The Examiner acknowledges that Ramasubramani fails to disclose a registered message router. (see Office Action, page 3) The Examiner alleges that "Barzegar teaches a system with a protocol gateways that establish connections through a message router (Column 3, lines 56-58)". (see Office Action, page 3)

Barzegar at col. 3, lines 56-58 discloses:

All messages received by the router are authenticated by monitoring a user identification (ID) and a source network address in the data message.

Barzegar at col. 3, lines 56-68 discloses a router. However, Applicants' claims are directed toward a message router that is **registered in a message router table**. Barzegar fails to disclose that his router is **registered in a message router table**, much less at least one **protocol gateway managing** a network connection **with** the at least one **registered message router**, as recited by claims 1-23.

Barzegar mentions registration at col. 5, line 13. However, Barzegar discloses registration of a **wireless device** – not a **router**, much less at least one **protocol gateway managing** a network connection with at least one **registered message router**, as claimed.

The Examiner alleged that it would have been obvious to “use Barzegar’s teaching of message authentication to increase the security of the system and prevent unauthorized requests.” (see Office Action, page 3) Barzegar discloses such benefits from message authentication by monitoring a user ID and a source network address in the data message. The benefit that the Examiner alleged is **NOT** a result of registering a message router in a **table**, much less at least one protocol gateway managing a network connection with the at least one registered message router, as claimed.

The Examiner takes Official Notice that registering message routers in networks such as the Internet (Ramasubramani) and LANs (Barzegar) and adding routers to forwarding or routing tables was well known in the art at the time of the invention was made and used to authorize the network device and determine network topology for network routing. (see Office Action, page 3)

The Examiner’s Office Notice still fails to disclose at least one protocol gateway managing a network connection **with** at least one registered message router, as claimed by claims 1-23.

Callon, Boyle, Kung and Boyle2 are relied on to allegedly disclose various features of dependent claims 8-10, 20 and 21. However, a thorough reading reveals that they also fail to disclose, teach or suggest registering a registered message router in a message router table, with at least one protocol gateway managing a network connection **with** the at least one registered message router, as recited by claims 1-23.

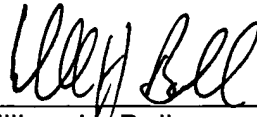
Ramasubramani, Barzegar, Official Notice, Callon, Boyle, Kung and Boyle2, either alone or in combination, fail to disclose, teach or suggest registering a registered message router in a message router table, and at least one protocol gateway managing a network connection **with** the at least one registered message router, as recited by claims 1-23.

Accordingly, for at least all the above reasons, claims 1-23 are patentable over the prior art of record. It is therefore respectfully requested that the rejection be withdrawn.

**Conclusion**

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William H. Bollman", written over a horizontal line.

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